

FORM PTO-1449 (Modified)

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ATTY.CKET NO.  
19.03

SERIAL NO.

APPLICANT: Kais Gzara and Iain Cooper

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GROUP

## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

| Examiner Initial |    | Document No. | Date     | Patentee                    |
|------------------|----|--------------|----------|-----------------------------|
| CH               | AA | 3,688,115    | 08/29/72 | Antkiw                      |
| CH               | AB | 4,297,575    | 10/27/81 | Smith <sup>Dr.</sup> et al. |
| CH               | AC | 4,412,130    | 10/25/83 | Winters                     |
| CH               | AD | 4,492,865    | 01/08/85 | Murphy et al.               |
| CH               | AE | 4,698,501    | 10/06/87 | Paske <del>et al.</del>     |
| CH               | AF | 5,144,126    | 09/01/92 | Perry et al.                |
| CH               | AG | 5,469,736    | 11/28/95 | Moake                       |
| CH               | AH | 5,473,158    | 12/05/95 | Holenka et al.              |
| CH               | AI | 6,032,102    | 02/29/00 | Wijeyesekera et al.         |

J1045 U.S. PTO  
09/960445  
09/21/01

## FOREIGN PATENT DOCUMENTS

|  |    | Document No. | Date | Country | Translation |    |
|--|----|--------------|------|---------|-------------|----|
|  |    |              |      |         | Yes         | No |
|  | AL |              |      |         |             |    |
|  | AM |              |      |         |             |    |
|  | AN |              |      |         |             |    |
|  | AO |              |      |         |             |    |

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

|    |    |   |
|----|----|---|
| CH | AR | JS Wahl, J Tittman, CW Johnstone and RP Alger, "The Dual Spacing Formation Density Log," SPE 39 <sup>th</sup> Annual Meeting (1964)   |
| CH | AS | D Best, P Wraight and J Holenka, "An Innovative Approach to Correct Density Measurements while Drilling for Hole Size Effect," SPWLA 31 <sup>st</sup> Annual Logging Symposium (June 24 - 27, 1990) |
|    | AT |   |

EXAMINER

CONSTANTINE HANNAHER

DATE CONSIDERED

MAY 29 2003

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.  
 1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.  
 2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

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ATTY.CKET NO.  
19.0302

SERIAL NO.

09/960,445

APPLICANT: Kais Gzara and Iain Cooper

FILING DATE

GROUP

9/21/2001

## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

| Examiner<br>Initial |    | Document No. | Date     | Patentee       |
|---------------------|----|--------------|----------|----------------|
| CH                  | BA | 6,167,348    | 12/26/00 | Cannon         |
| CH                  | BB | 6,176,323    | 01/23/01 | Weirich et al. |
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| CH                  | BI | 5,130,950    | 07/14/92 | Orban et al.   |

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|  | Document No. | Date | Country | Translation<br>Yes No |  |
|--|--------------|------|---------|-----------------------|--|
|  | BL           |      |         |                       |  |
|  | BM           |      |         |                       |  |
|  | BN           |      |         |                       |  |
|  | BO           |      |         |                       |  |

## OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

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